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## United States Patent [19]

Shiota et al.

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[54] METHOD AND APPARATUS FOR  
REPRODUCING IMAGE FROM DATA  
OBTAINED BY DIGITAL CAMERA AND  
DIGITAL CAMERA USED THEREFOR

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## [56] References Cited

## U.S. PATENT DOCUMENTS

4,209,853	6/1980	Hyatt	367/8
5,499,294	3/1996	Friedman	380/10
5,552,824	9/1996	De Angelis et al.	348/157
5,696,850	12/1997	Parulski et al.	382/261
5,768,633	6/1998	Allen et al.	396/2

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## [57] ABSTRACT

When a picture image recorded by a digital camera is reproduced, a high quality picture image is immediately reproduced without repetitive test prints for enhancing a picture quality or repetitive minor adjustments based on a confirmation via a monitor. Recording is carried out by a digital camera having a function of adding recording information representing a recording condition (a recording information adding unit) to digital image data obtained by the recording. A set-up processing unit in an image reproducing apparatus carries out image processing on the image data obtained by the recording for enhancing a picture quality using the recording information added to the image data, and the image reproducing apparatus reproduces the image data in the form of a print or a display on a monitor.

19 Claims, 1 Drawing Sheet

